

DECLASSIFIED BY ORIGINATING AGENCY

ABSTRACT

TITLE: MISSILES AND CONTROL SYSTEMS THEREFOR.

A homing missile of which the target tracker has a restricted, e.g. a slit-shaped, field-of-view and which incorporates means whereby the field-of-view may be rotated, e.g. by rolling the missile, has a control system which to avoid certain instability problems, such as adverse autopilot coupling, imposed or made worse by the restricted field, includes first limiting means for limiting the demanded rotation of the field-of-view and second limiting means for limiting one lateral axis missile steering signal. The other lateral axis steering signal is modified in dependence upon the one steering signal and the rotation demand signal to optimise control having regard to the restricted view-field.

RECEIVED

JAN 12 1963

GROUP 220  
LICENSING & REVIEW

DECLASSIFIED BY ORIGINATING AGENCY